



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JAMES B. HUNT JR.
GOVERNOR

DIVISION OF HIGHWAYS
P.O. BOX 25201, RALEIGH, N.C. 27611-5201

GARLAND B. GARRETT JR.
SECRETARY

February 11, 1997

MEMORANDUM TO: Whitmel H. Webb, III, P. E.
Manager Program Development Branch

FROM: David Modlin, P. E.
Feasibility Studies Unit Head

SUBJECT: Needed Improvements to NC 274 (Union Road)
and SR 2439 (Beaty Road) in Gaston County,
(Ray Spangler's Letter of January 3, 1997)

The Feasibility Studies Unit was asked to evaluate the feasibility of providing seven turn lanes on Union Road and Beaty Road which would serve the new high school on Union Road and Bess Elementary School on Beaty Road. Beaty Road intersects Union Road at a tee intersection.

Considering the proximity of the numerous requested turn lanes, it seems more appropriate to consider three-laning both Union Road and Beaty Road in front of the schools. Mr. Spangler's letter of January 3, 1997, also makes this suggestion. Design Services has estimated the construction cost for providing a 36-foot (11.0 m) cross section with 4-foot (1.2-m) paved shoulders in front of the schools. The signal at the existing intersection of Union Road and Beaty Road would be upgraded. The total distance is 1.2 miles (1.9 km).

The estimated cost of the proposed project is \$ 1,700,000. The Division's estimate was \$ 450,000. Neither of these estimates include right-of-way cost. I understand there is 60 feet (18.3 m) of right-of-way on Union Road and maybe 30 feet (9.2 m) on Beaty Road. As of today, the Division is trying to negotiate for the right-of-way to implement this project.

